

FIG. 1
(Prior Art)

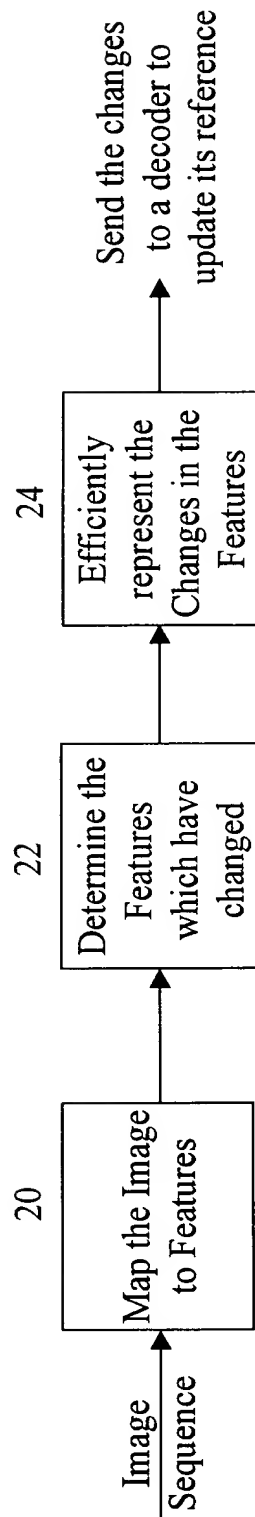


FIG. 2

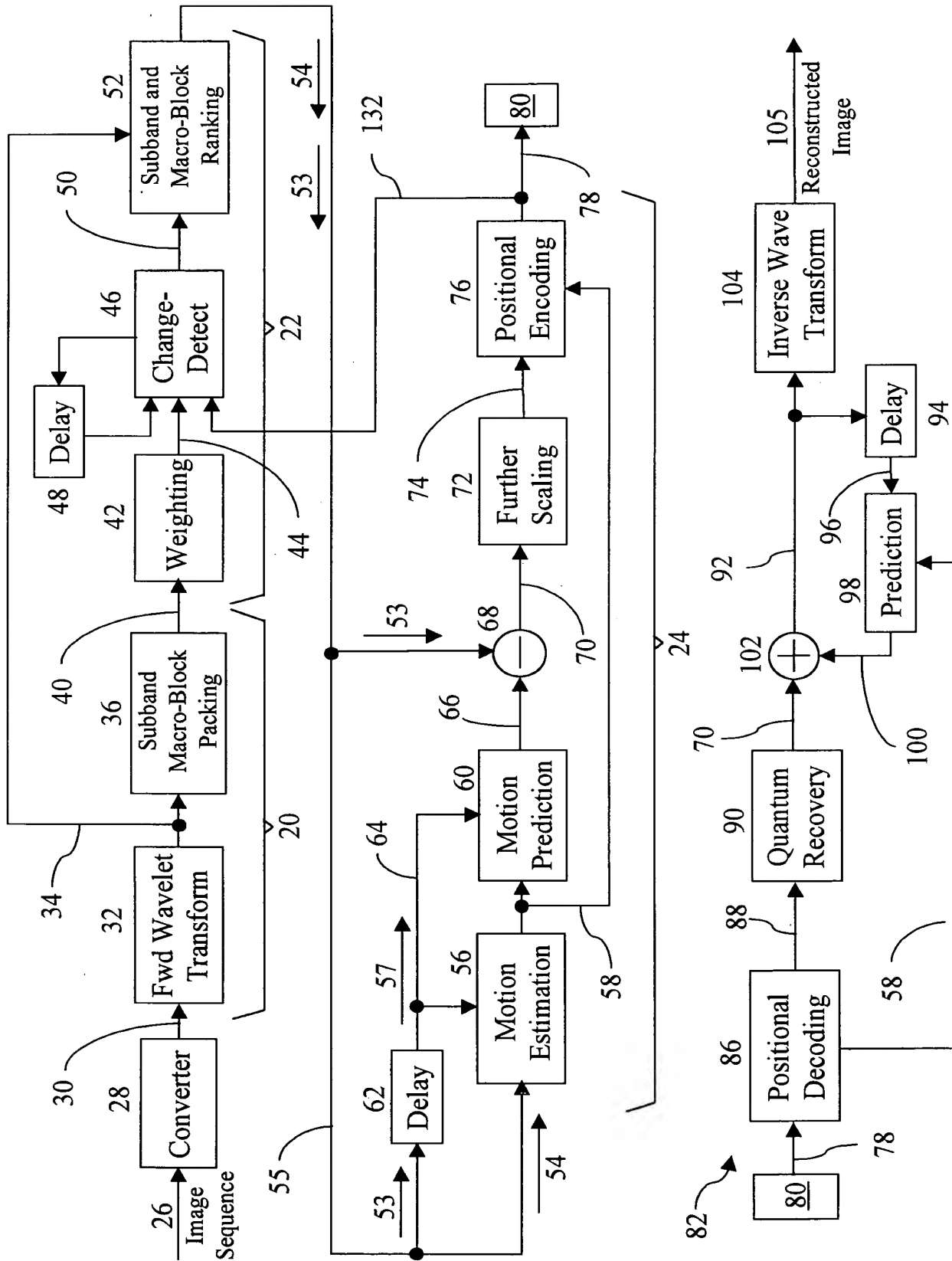
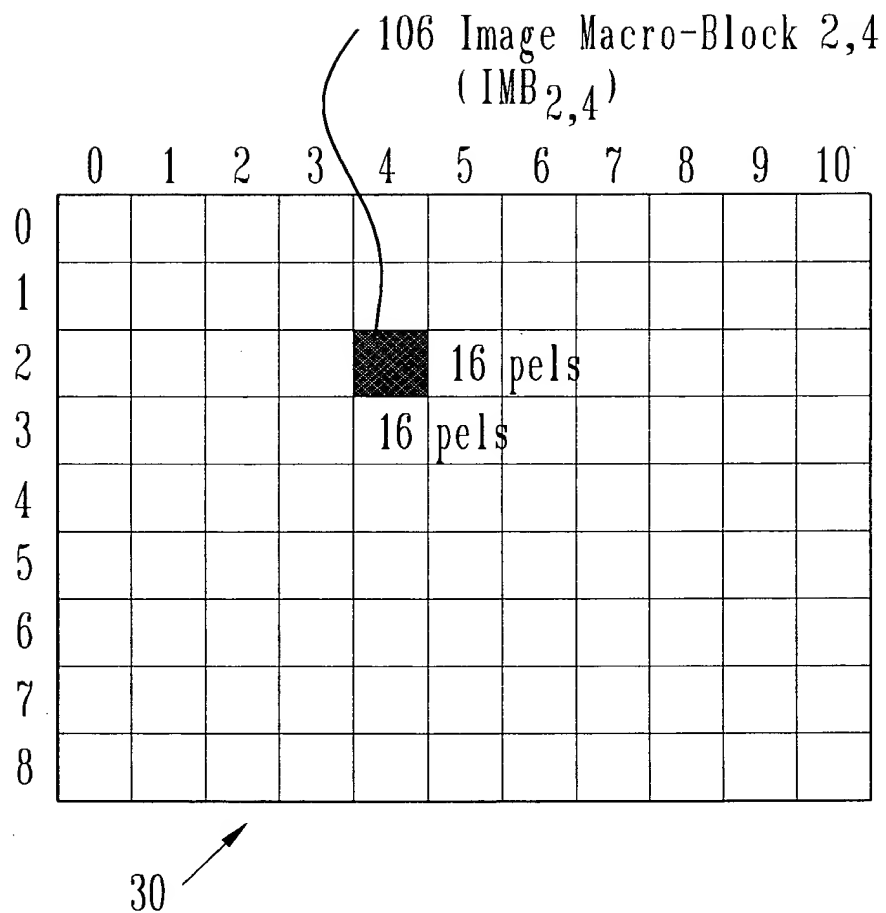


FIG. 3

3/15



QCIF Image 30
(Image Macro-Block Grouping)

FIG. 4 (a)

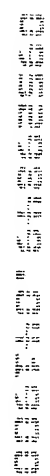


FIG. 4 (b)

5/15

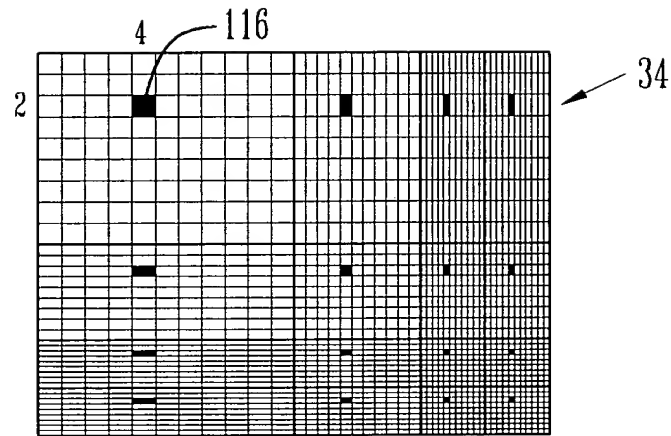


FIG. 5 (a)

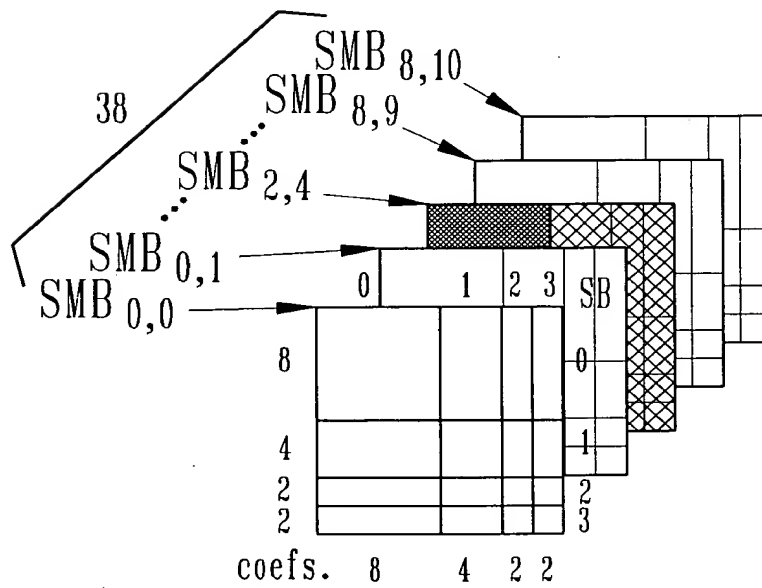
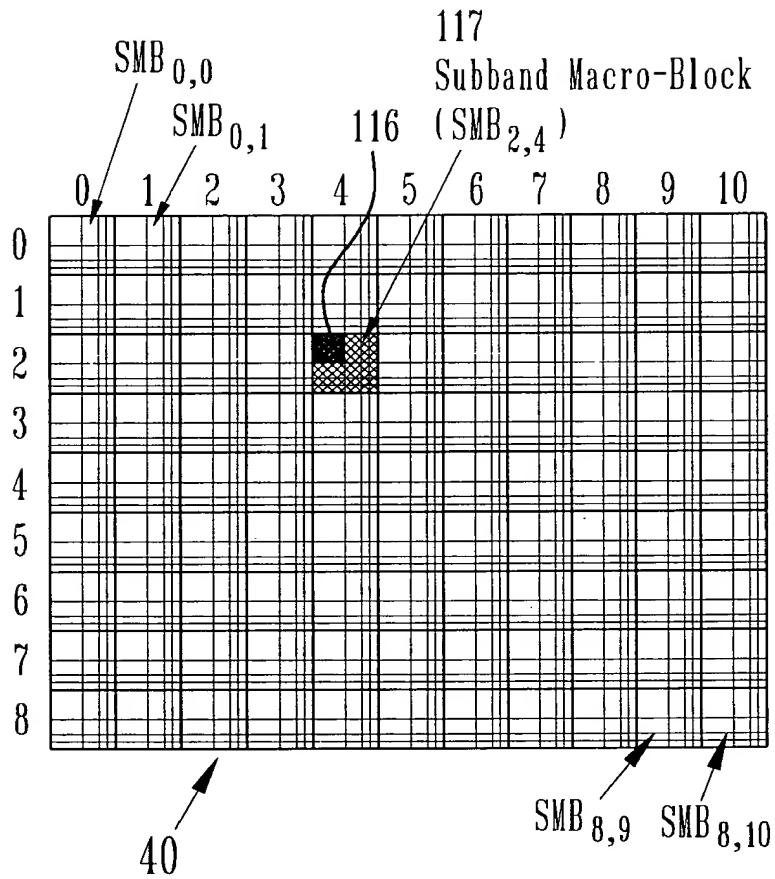


FIG. 5 (b)

6/15



Subband Macro-Block Grouping 40

FIG. 5 (c)

D_{0C}	D_{1C}	D_{2C}	A_{2C}
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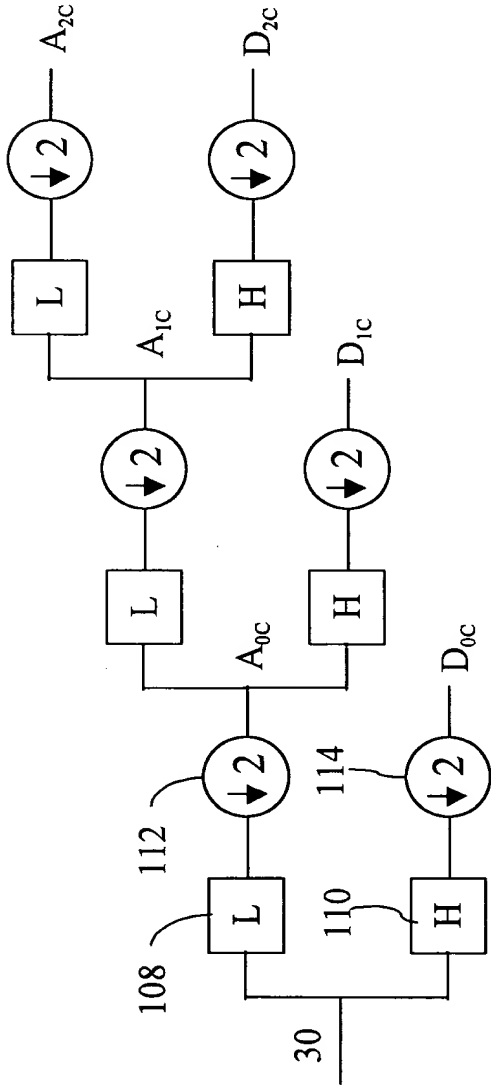


FIG. 6(a)

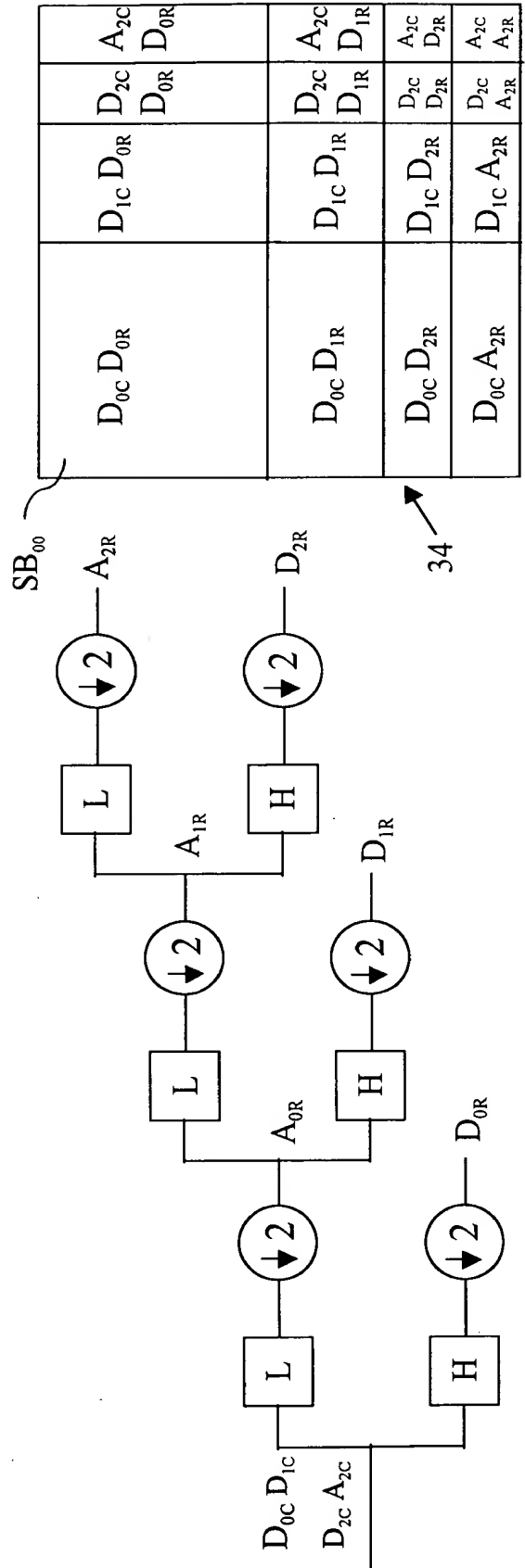


FIG. 6(b)

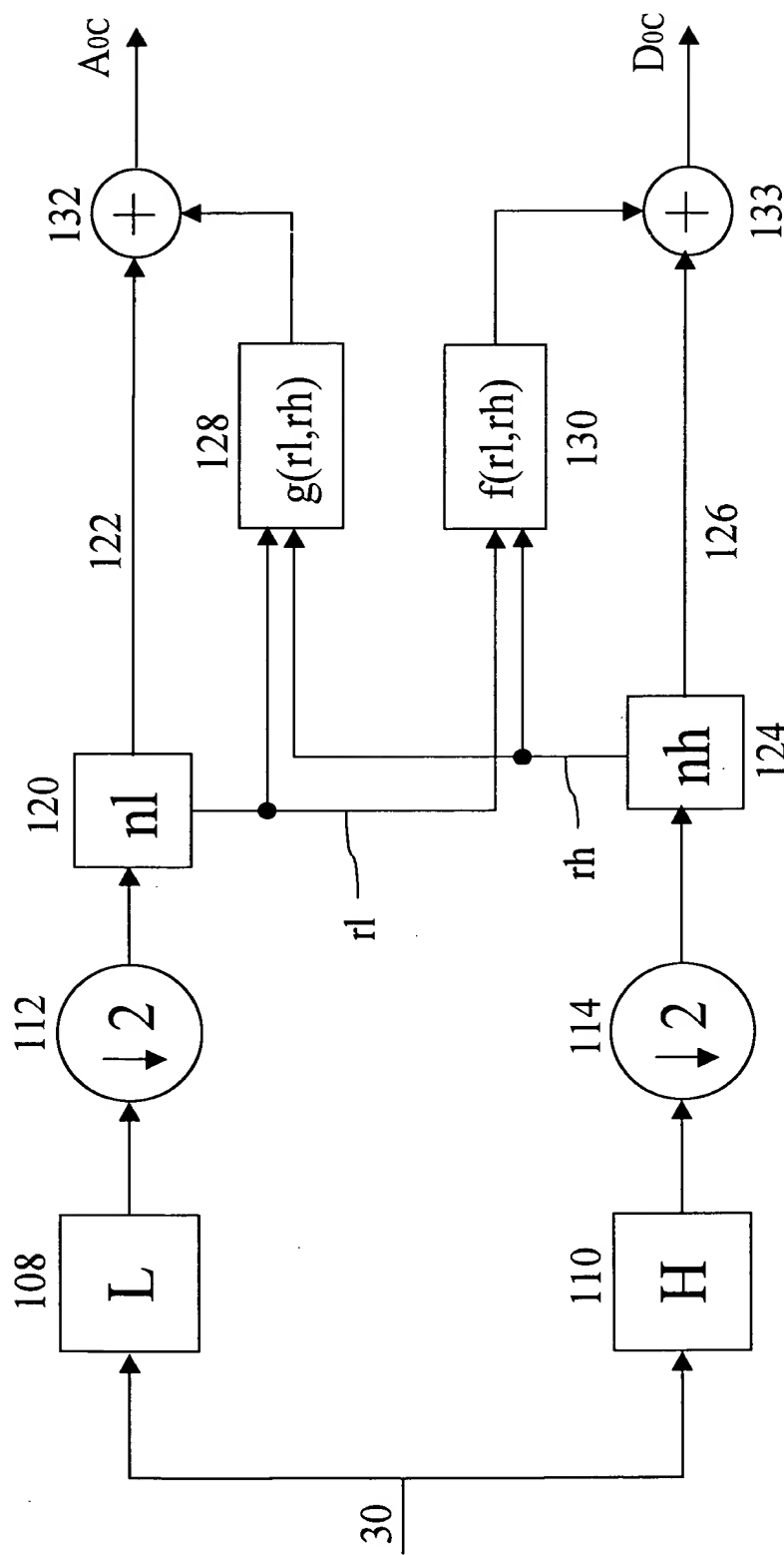


FIG. 7

9/15

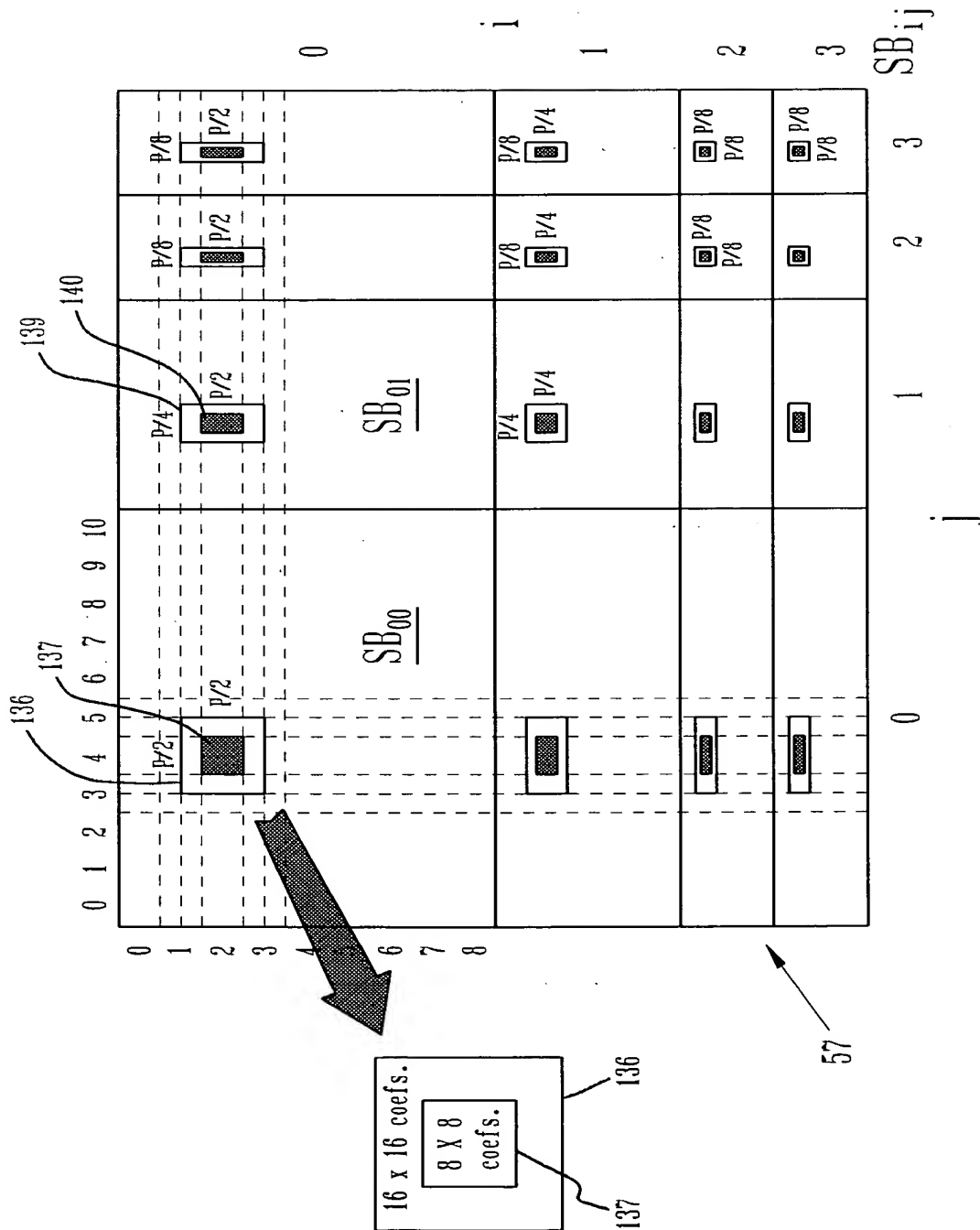
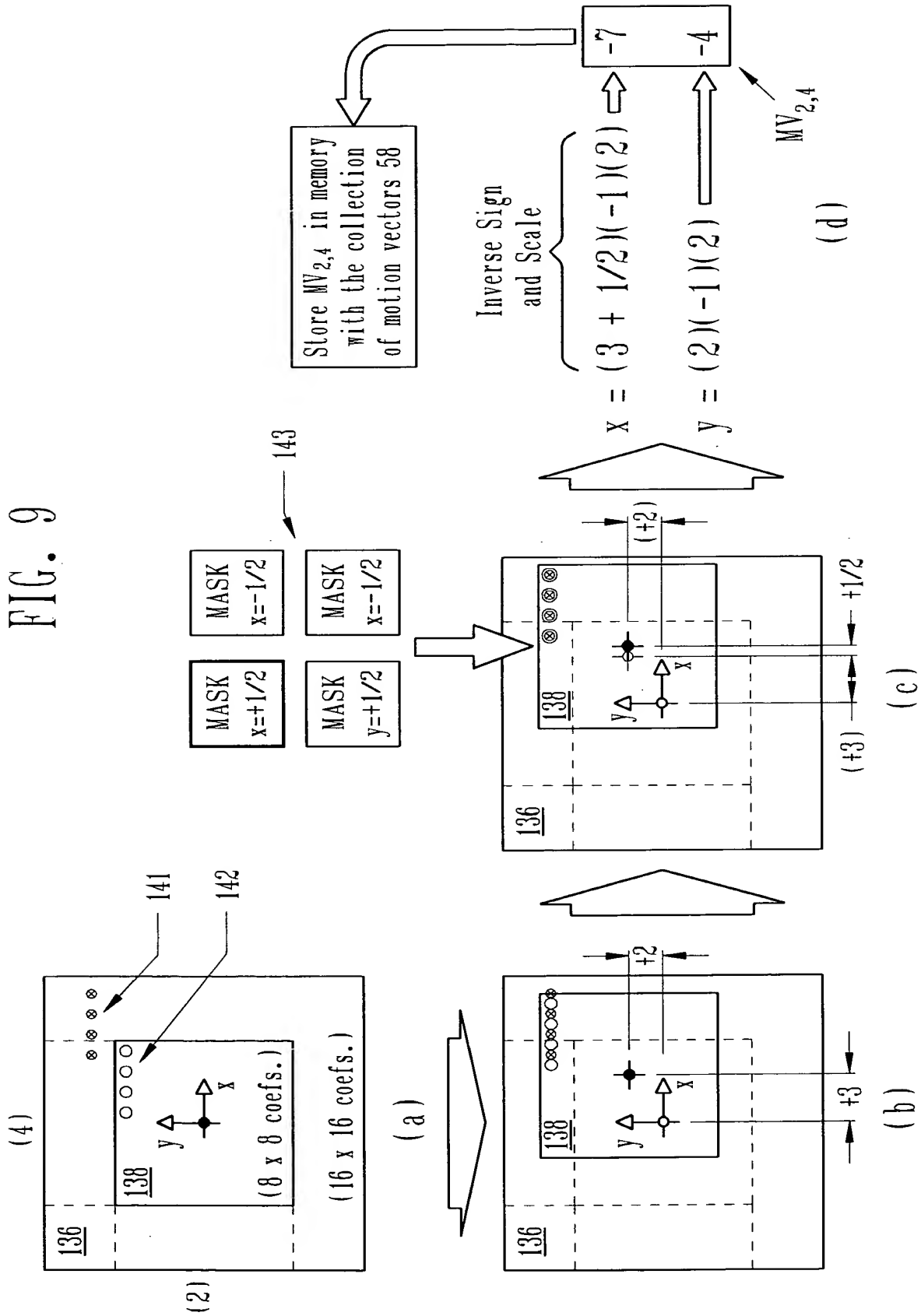


FIG. 8

FIG. 9



11/15

$MV_{2,4}$ from memory
 Reciprocal of the corresponding modulo

$SB_{00} \begin{cases} X = [-7] \times [1/2] = -3 \frac{1}{2} > \text{Apply mask for incremental move of } X = -3 \\ \text{and mask for fractional move of } X = -1/2. \\ Y = [-4] \times [1/2] = -2 > \text{Apply mask for incremental move of } Y = -2. \end{cases}$

$SB_{01} \begin{cases} X = [-7] \times [1/4] = -1 \frac{3}{4} > \text{Apply mask for incremental move of } X = -1 \\ \text{and mask for fractional move of } X = -3/4. \\ Y = [-4] \times [1/2] = -2 > \text{Apply mask for incremental move of } Y = -2. \end{cases}$

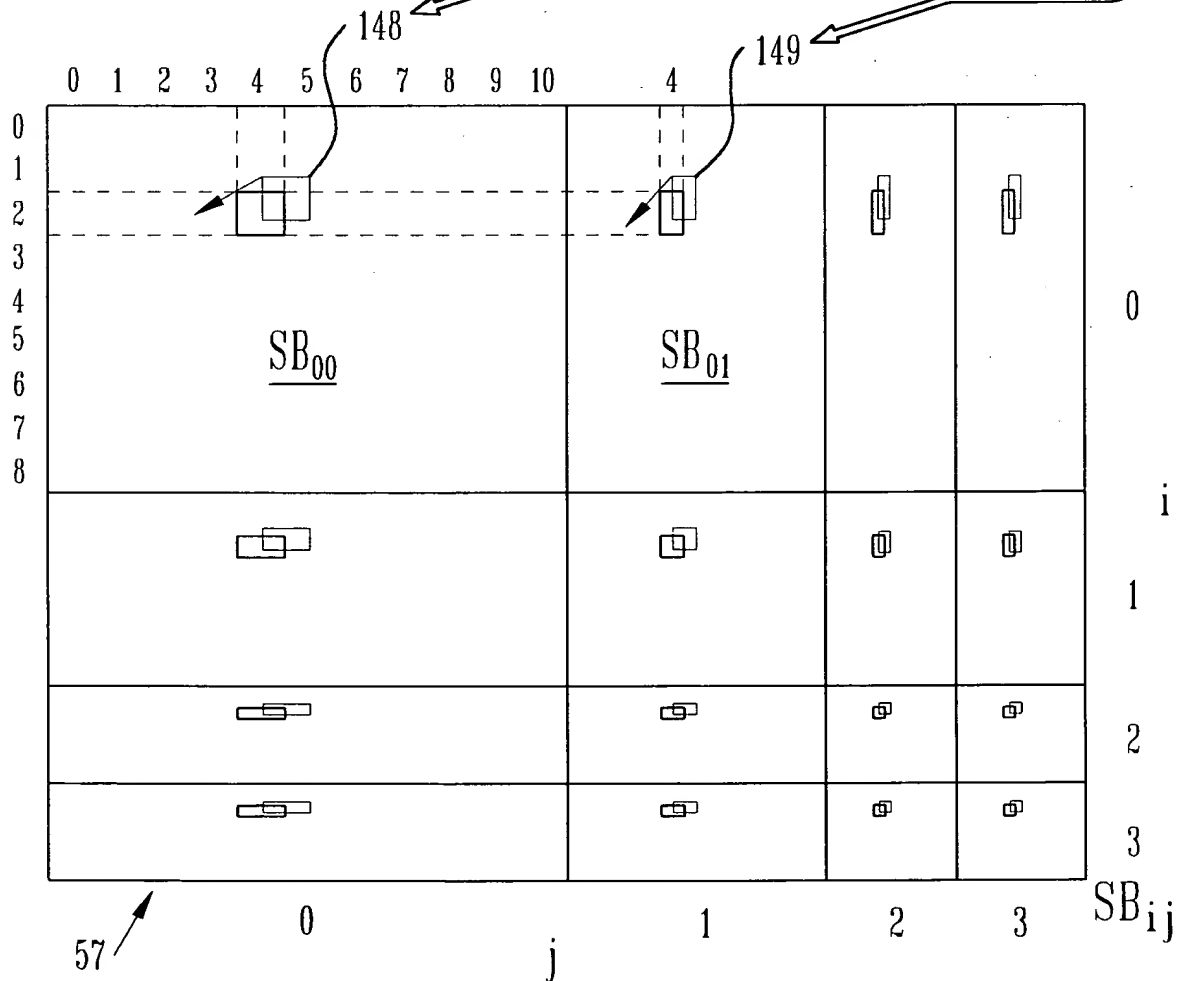


FIG. 10

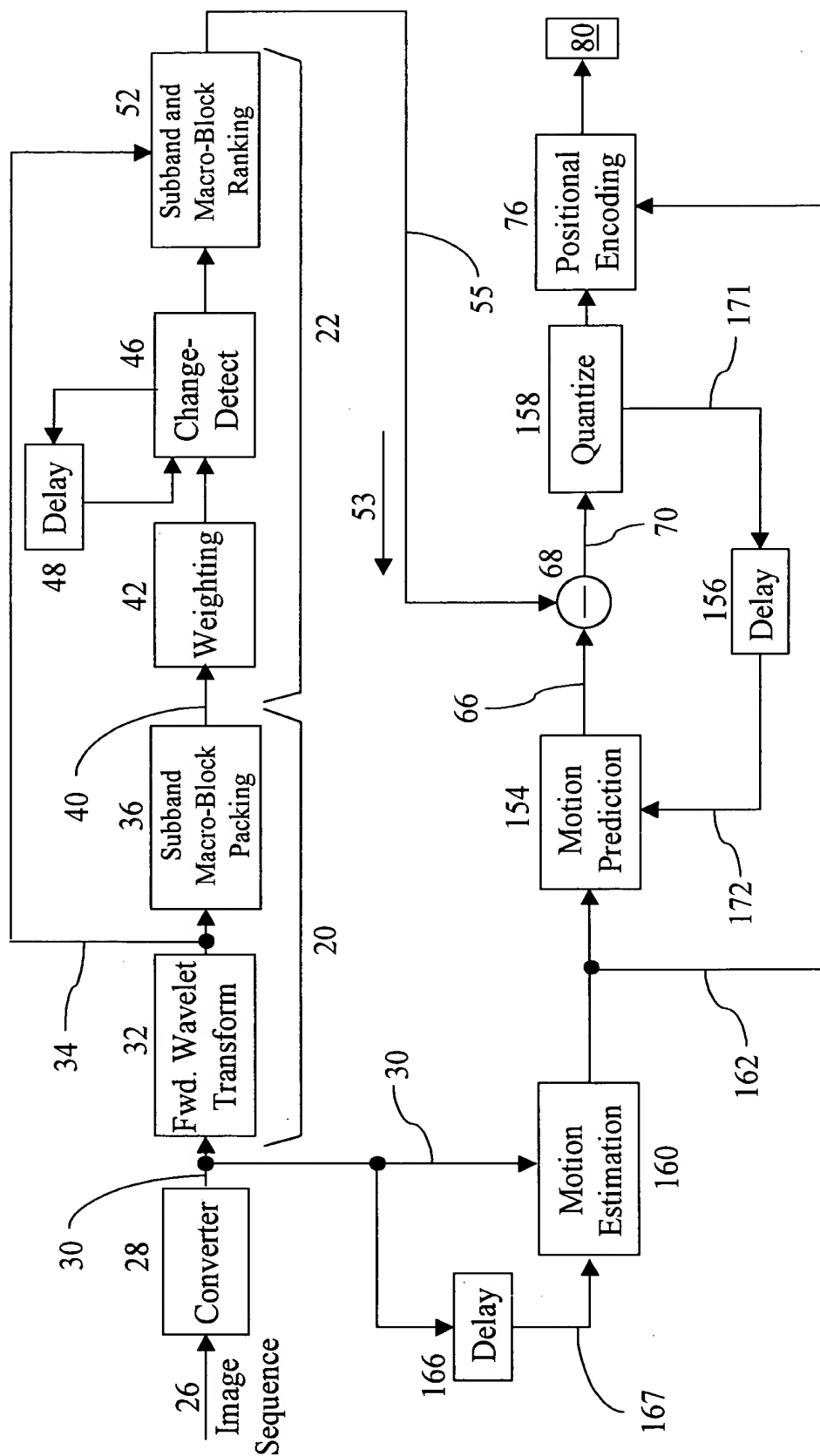


FIG. 12

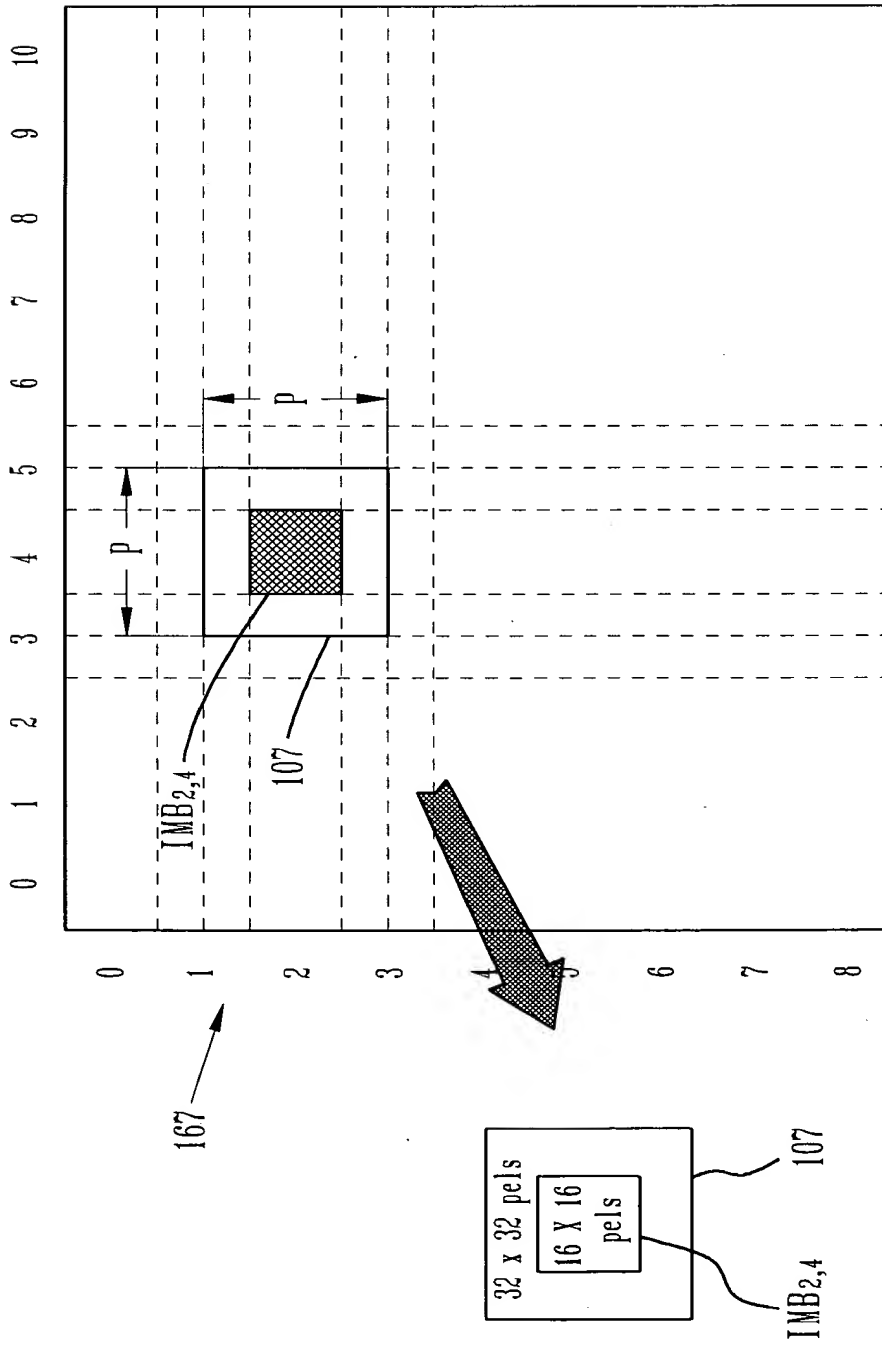


FIG. 13

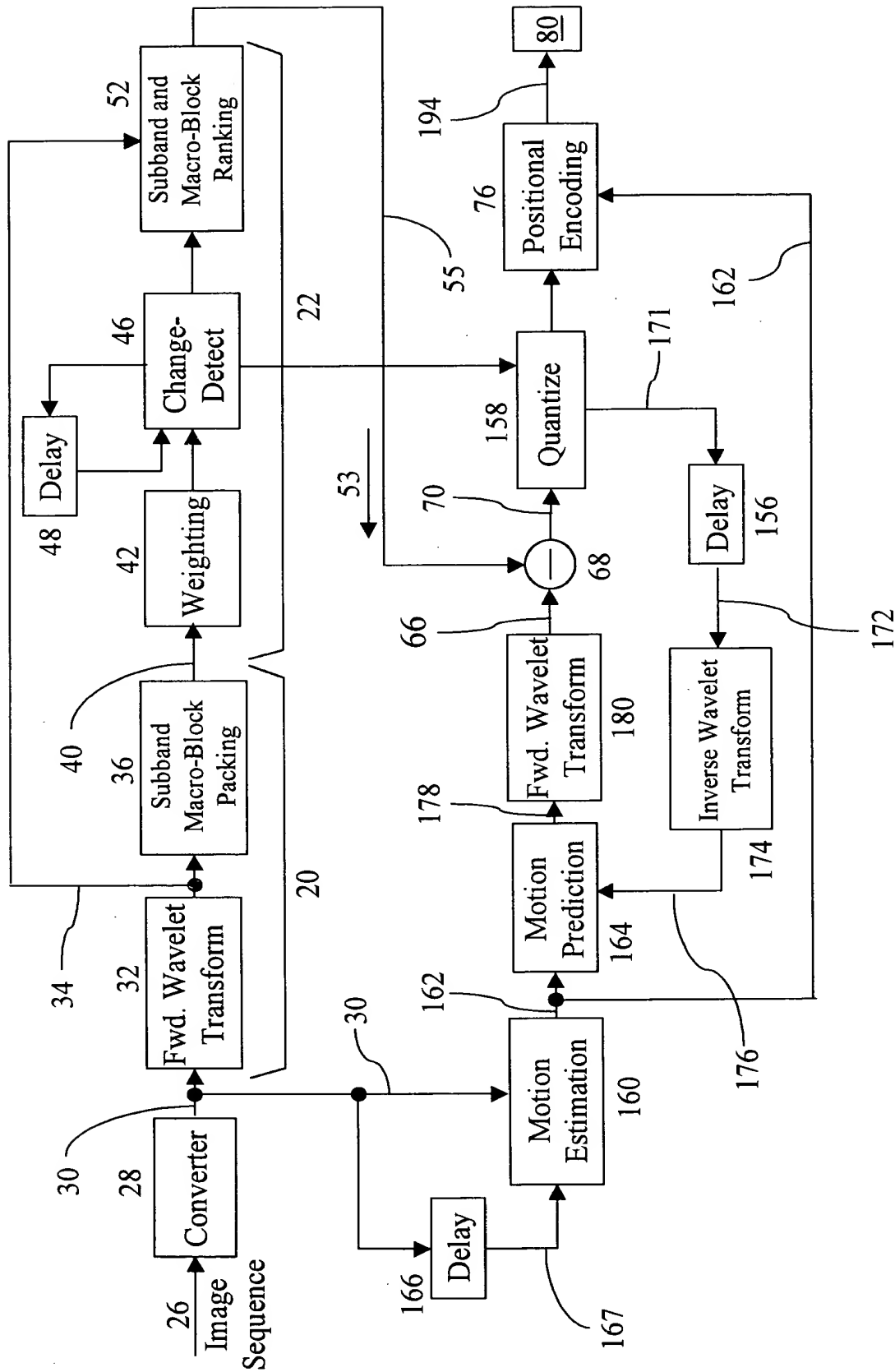


FIG. 14